

LOCAL NOTICE TO MARINERS

WEEKLY SUPPLEMENT

Issued by: Commander, Ninth Coast Guard District (oan), 1240 East Ninth Street, Cleveland, OH 44199-2060 Telephone: (216) 902-6073

All times shown in local time unless otherwise noted. Positions are in degrees, minutes, seconds, and tenths of seconds. Numbers within

brackets [/] refer to the LNM where information was first printed. Direct questions about this LNM to the above address.

USE OF THE LOCAL NOTICE TO MARINERS

The Weekly Supplemental editions of the Local Notice to Mariners contain only information available subsequent to the issue date of the Monthly

edition. To ensure having complete information concerning the waterways within the Ninth Coast Guard District, consult Monthly edition 03/97.

** Electronic Bulletin Board Service: (703)313-5910**

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BROADCAST NOTICE TO MARINERS (BNM) are issued by Ninth District and all Group offices for their areas of responsibility. Navigation

information having been of immediate concern to the Mariner, the following broadcasts have been incorporated into this LNM when still significant:

Ninth District	C021-97 through C023-97	Group Buffalo, NY	B025-97 through B028-97
Group Detroit, MI	D041-97 through D051-97	Group Grand Haven, MI	G022-97
through G022-97			
Group Milwaukee, WI	M032-97 through M034-97	Group Sault Ste. Marie, MI	S059-97
through S070-97			

Light List Reference: Commandant Publication P16502.7, VOL VII, 1996 Edition/Coast Pilot

Reference: U.S. Coast Pilot 6 Great Lakes 1996 Edition

REPORT DISCREPANCIES IN AIDS TO NAVIGATION TO THE NEAREST COAST GUARD UNIT

I. SPECIAL NOTICES since LNM 05/97

GENERAL

The Ninth Coast Guard District offices have changed their telephone numbers. Below is a list of the new phone numbers.

Chief, Operations Division	902-6060	
Chief, Aids to Navigation Branch		902-6061
Assistant Branch Chief	902-6065	
Chief, Operations Section		902-6066
Training Team	902-6067	
Positioning	902-6069	
Chief, Planning Section		902-6072
Federal Projects/Atonis/LNM/BNM		902-6073
Private Aids	902-6074	
Chief, Bridges Branch		902-6085
Assistant Branch Chief	902-6086	
Bridge Management Specialist	902-6087	[06/97]

DETROIT/ST CLAIR RIVERS - MI - Condition of Channel, Chart 14820

Condition surveys performed within the Federal navigation channel at Detroit River, Lake St. Clair and the St Clair River, Michigan during 1996, indicate

shoaling. Depths for the Detroit River are referred to IGLD, 1955, corresponding to the sloping surface of the river when Lake St. Clair is at elevation 571.7

feet and Lake Erie is at elevation 568.6 feet above Mean Water Level (MWL.) at Father Point, Quebec. Depths for the St. Clair River are referred to IGLD,

1955, corresponding to the sloping surface of the river when Lake Huron is at elevation 576.8 feet and Lake St. Clair is at elevation 5781.7 feet above Mean

Water Level (MWL.) at Father Point, Quebec. The information depicted in this report represents the results of surveys made at the time indicated and can only

be considered as indicating the conditions existing at that time. Vessel operators are advised to use caution when navigation in this area. Obstruction

removal operations have resumed and will continue through December 1997, as weather permits. All inquiries should be addressed to CENCE-CO-OO, U. S.

ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests NO.

L97-20. [06/97]

ST. MARYS RIVER - MI - St. Marys Falls Canal - Lake Superior Outflow Increase - Chart 14884

Two gates of the control structure at the head of the St. Marys Rapids will be open. Outflows from Lake Superior will be 2380 cms (84,000 cfs) at this gate

setting through April. Vessel operators are advised to use caution when navigating in the upper St. Marys river and in the vicinity of the Soo Locks. All

inquiries should be addressed to CENCE-CO-OO, U. S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027

and should refer to Notice to Navigation Interests No. L97-25. [06/97]

LAKE SUPERIOR - MI - Black River Harbor - Condition of Channel, Chart 14965

Condition surveys performed within the Federal navigation channel at Black River Harbor, Michigan during July 1996, indicate shoaling. Vessel operators are advised to use caution when navigation in this area. All inquiries should be addressed to CENCE-CO-OO, U. S. ARMY CORP OF ENGINEERS, DETROIT

DISTRICT, P. O. BOX 1027, DETROIT, MI 48231-1027 and should refer to Notice to Navigation Interests NO. L97-24. [06/97]

LAKE SUPERIOR - MI - Bayfield Harbor
- Condition of Channel, Chart 14965

Condition surveys performed within the Federal navigation channel at Bayfield Harbor, Michigan during June 1996, indicate the 10 foot project depth is

available. All inquiries should be addressed to CENCE-CO-OO, U. S. ARMY CORP OF ENGINEERS, DETROIT DISTRICT, P. O. BOX 1027, DETROIT, MI

48231-1027 and should refer to Notice to Navigation Interests NO. L97-23. [06/97]

LAKE SUPERIOR - MI - Duluth Harbor
- Condition of Channel, Chart 14975

Condition surveys performed within the Federal navigation channel at Duluth Harbor, Michigan are available from Army Corp of Engineers. All depths are

referred to Low Water Datum 600 feet above Mean Low Water at Father Point, Quebec (IGLD 1955). Copies of soundings (29 sheets for the entire harbor)

may be obtained in full size (30" X 42") sheets for \$1.50 per sheet from the U. S. Army Corp of Engineers, Duluth Area Office, Canal Park, Duluth, Minnesota

55802. Checks or money orders should be made payable to the Finance and Accounting Officer, USAED, Detroit. All inquiries should be addressed to

CENCE-CO-DU (Duluth) and should refer to Notice to Navigation Interests No. LDS97-01. [06/97]

II. DISCREPANCIES IN AIDS TO NAVIGATION as of 1000, 22 APRIL, 1997

This section lists all changes to discrepancies since Local Notice to Mariners 05/97. The following abbreviations are used:

B	Buoy	BKW	Breakwater	©	Canadian Aid		
CH	Channel	CNL	Canal	DAYBD	Dayboard		
DBN	Daybeacon	DECOM		Decommissioned	DISCON	Discontinued	
ENT	Entrance	ESTB	Established	EXT	Extinguished		
FS	Fog Signal	HBR	Harbor	IMCH	Improper Characteristic		
INOP	Inoperative	JCT	Junction	LB	Lighted Buoy		
LBB	Lighted Bell Buoy	LGB	Lighted Gong Buoy	LHB	Lighted Horn Buoy		
LIB	Lighted Ice Buoy	LT	Light	LWP	Left Watching Properly		
OBST	Obstruction	OFFSTA	Off Station	(P)	Private Aid		
PARSUB	Partially Submerged	PAROBSC	Partially Obscured	PHD	Pierhead		
RBN	Radiobeacon	RAC	Racon	DIM	Reduced Intensity		
RELDRG	Relocated for dredging	RELSHL	Relocated for Shoaling	RELCON			
	Relocated for Construction						
RF	Range Front	RPTD	Reported	RR	Range Rear		
(SLS)	St Lawrence Seaway Devel Corp			SND CONT	Sounding Continuosly	TRUB	
	Temporarily Replaced With An B						
TRLB	Temporarily Replaced With A LB			TRLT	Temporarily Replaced With A Light	W/M	
	Winter Mark						

A. RECENT DISCREPANCIES Charts BNM LNM

LLNR	Name of aid	Status	Affected	Ref.	Ref.	
02785	BLACK ROCK CNL LB 01		LT EXT 14833	?	06/97	
02795	BLACK ROCK CNL LB 03		LT EXT 14833	?	06/97	
02805	BLACK ROCK CNL LB 05		LT EXT 14833	?	06/97	
02820	BLACK ROCK CNL LB 08		LT EXT 14833	?	06/97	
02825	BLACK ROCK CNL LB 9		LT EXT 14833	?	06/97	
02830	BLACK ROCK CNL LB 10		LT EXT 14833	?	06/97	
02835	BLACK ROCK CNL LB 11		LT EXT 14833	?	06/97	
02840	BLACK ROCK CNL LB 12		LT EXT 14833	?	06/97	
02845	BLACK ROCK CNL LB 13		LT EXT 14833	?	06/97	
02850	BLACK ROCK CNL LB 14		LT EXT 14833	?	06/97	
02860	BLACK ROCK CNL LB 16		LT EXT 14833	?	06/97	
02865	BLACK ROCK CNL LB 17		MISSING	14833	?	06/97
02875	BLACK ROCK CNL LB 19		LT EXT 14833	?	06/97	
02880	BLACK ROCK CNL LB 21		MISSING	14833	?	06/97
02885	BLACK ROCK CNL LB 23		LT EXT 14833	?	06/97	
02890	BLACK ROCK CNL LB 24		MISSING	14833	?	06/97
02895	BLACK ROCK CNL LB 25		LT EXT 14833	?	06/97	
02900	BLACK ROCK CNL LB 26		MISSING	14833	?	06/97
04560	SANDUSKY HBR BKW LT		FS INOP	14845	D046-97	06/97
10590	SAGINAW BAY CH LB 3		OFF STA	14867	D048-97	06/97
11750	POE REEF LT	RAC INOP	14881	S070-97	06/97	
11800	CHEBOYGAN RIV LT 04		FS IMCH	14881	S066-97	06/97
15255	OUTER IS LT	LT EXT 14973	S065-97	06/97		
15280	LA POINTE LT	LT EXT 14973	S067-97	06/97		
18067	HORSE PT LB 3	MISSING	14942	S069-97	06/97	
19925	FOUR MILE CRIB LT	FS INOP	14927	M033-97	06/97	
20135	WILSON AVENUE INTAKE CRIB LIGHT		FS INOP	14926	M033-97	
	06/97					
21355	DETROIT HBR CH B 02		OFF STA	14909	M034-97	06/97
21365	DETROIT HBR CH B 5		OFF STA	14909	M034-97	06/97

B. DISCREPANCIES CORRECTED

LLNR	Name of aid	Status	Affected	Charts	BNM	LNM	
	01070 St. Lawrence Seaway Royal Island LT ©				LWP	14765	
	B016-97 04/97						
97	01085 St. Lawrence Seaway LT 144 ©			LWP		14765	B017-
	04/97						
97	01140 St. Lawrence Seaway LT 151 ©			LWP		14765	B018-
	04/97						
	04280 LAUNCH BASIN BRKW. DANGER LT				LWP	14826	
	D036-97 04/97						
97	05380 WEST HBR ENT CHN LT 1			LWP		14844	D041-
	05/97						
	13030 MUNUSCONG CH UP JCT LBB				LWP	14883	
	S047-97 04/97						
97	13065 MUNUSCONG CH UP LB 08			LWP		14883	S043-
	04/97						
	18815 BANK PT LT		LWP	14934		G125-96	41/96

III. TEMPORARY CHANGES IN AIDS TO NAVIGATION as of 1000, 22 APRIL, 1997

A. RECENT TEMPORARY CHANGES

Charts BNM LNM

LLNR	Name of aid	Status	Affected	Ref.	Ref.
B. TEMPORARY CHANGES CORRECTED				Charts	BNM LNM
LLNR	Name of aid	Status	Affected	Ref.	Ref.

IV. CHART CORRECTIONS since LNM 05/97

Corrective action affecting charts is contained in this section. Chart corrections are listed numerically by chart number. The correction listed pertains to that

chart only. It is up to the mariner to decide what charts are to be corrected. The following example explains the individual elements of a typical correction.

Chart number	Chart edition	Edition date	Last Local Notice to Mariners	Reference datum	Source Agency of correction	to
14922	17 th ed.	4/25/92	Last LNM 12/93	NAD 83 (CGD9) 17/93		
MANITOWOC AND SHEBOYGAN HARBORS						
Change Manitowoc South Breakwater Light to "3" Fl G 2.5s, 37ft 8 StM						44 05
29.0N	87 38 37.0W					
	Corrective action		Object of corrective action			Position

The letter (M) immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. (Temp) indicates that

the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true. Bearings of light sectors are toward

the light from lakeward. Nominal range of lights is expressed in statute miles (St M).

14830	25 th ed.	12/7/96	Last LNM 01/97	NAD 83 (CGD9) 06/97
WEST END OF LAKE ERIE (LORAN C)				
Insets: Port Clinton				
Monroe Harbor				
Change West Harbor Entrance Channel Light "1" to Fl G 4s, 31ft, 5 StM, PA, at:				
	41 34 08.0N	82 48 32.5W		
West Harbor Entrance Channel Light "2" to Fl R 2.5s, 5 StM at:				
	41 34 09.5N	82 48 36.7W		

14830M	10 th ed.	12/7/96	Last LNM 01/97	NAD 83 (CGD9) 06/97
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LORAIN TO DETROIT RIVER (LORAN C)

Inset: Vermilion

Change	West Harbor Entrance Channel Light "1" to Fl G 4s, 9m, 5 NM at:
	41 34 08.0N 82 48 32.5W

14842	9 th ed.	3/21/92	Last LNM 01/97	NAD 83 (CGD9) 06/97
(SC) SOUTH SHORE OF LAKE ERIE FROM PORT CLINTON TO SANDUSKY				
P.3 & 4	Change	West Harbor Entrance Channel Light "1" to Fl G 4s, 31ft, 5 StM, PA, at:		
		41 34 08.0N 82 48 32.5W		
		West Harbor Entrance Channel Light "2" to Fl R 2.5s, 31ft, 5 StM, PA at:		
		41 34 09.5N 82 48 36.7W		

14844 30th ed. 9/02/95 Last LNM 01/97 NAD 83 (CGD9) 06/97
 ISLANDS IN LAKE ERIE, Including Sandusky Bay
 Inset: Put-In-Bay
 Change West Harbor Entrance Channel Light "1" to Fl G 4s, 31ft, 5 StM, PA, at:
 41 34 08.0N 82 48 32.5W
 West Harbor Entrance Channel Light "2" to Fl R 2.5s, 31ft, 5 StM, PA at:
 41 34 09.5N 82 48 36.7W

14930 23rd ed. 5/2/92 Last LNM 1/96 NAD 83 (CGD9) 06/97
 ST JOSEPH AND BENTON HARBORS
 Delete Purple dashed line (cable and pipeline area limit) joining:
 42 06 46.2N 86 28 51.3W
 and 42 06 42.9N 86 28 51.6W
 Add Purple dashed line (cable and pipeline area limit) joining:
 42 06 46.6N 86 28 55.8W
 and 42 06 42.8N 86 28 55.9W

14934 25th ed. 11/17/90 Last LNM 1/95 NAD 83 (CGD9) 06/97
 MUSKEGON LAKE, Including Muskegon Harbor
 Change Muskegon Lake Light to F R, 28ft, 6 St M, HORN at:
 43 13 53.8N 86 19 38.7W
 Muskegon North Pier Light to Fl G 4s, 30ft, 4St M at:
 43 13 39.2N 86 20 30.5W

14963 20th ed. 3/2/96 Last LNM 26/96 NAD 83 (NOS CL-12/97) 06/97
 GRAND MARAIS TO BIG BAY POINT (LORAN C)
 Inset: Big Bay Harbor
 Add Danger circle (dotted), blue tint, and label:
 "Wk Fish Haven (auth min 40 ft)" 46 29
 34.0N 086 35 46.0W

14975 30th ed. 6/15/96 Last LNM 05/97 NAD 83 (CGD9) 06/97
 DULUTH-SUPERIOR HARBOR
 Change Superior Harbor Basin Anchorage Buoy "A" to Y, N, at:
 46 42 34.5N 92 01 44.0W
 Superior Harbor Basin Anchorage Buoy "B" to Y, N, at:
 46 43 00.0N 92 02 19.4W

V. ADVANCE NOTICE OF CHANGES TO AIDS TO NAVIGATION Since 05/97 None.

VI. PROPOSED CHANGES IN AIDS TO NAVIGATION Since 05/97

Periodically the Coast Guard evaluates the system of Aids to Navigation to determine whether the conditions for which the aids to navigation were

established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing the aid is considered. In this regard the

Coast Guard is evaluating changes in aids to navigation as noted below. Comments are requested, and should be addressed to LTJG Henige, Ninth Coast

Guard District (oan). All comments submitted should include the following information: (A) Quantity, type, capacity and value of vessels involved, and the

extent that these vessels traverse the area under consideration seasonally, by day and by night, (B) Where practical, the type of navigation devices, such as

compasses, radio direction finder, radar, LORAN and search lights with which such vessels are equipped, © The number of passengers and the type, quantity, and value of cargo involved, and (D) A chart section or sketch showing the action proposed when necessary to clearly describe the recommended

improvement.

None.

VII. GENERAL NOTICES since LNM 05/97

LAKE ERIE - OH - Cleveland -Dredging, Chart 14839

Kiewit Construction will be conducting dredging operations in Cleveland, OH until December 1, 1997. Operations will be 24hrs/7 days a week. The tug

RICHARD REISS or barge KELSTONE may be contacted on VHF FM 8, 18 and 16. Temporary mooring buoys will be relocated after each vessel unloads.

For further information contact Dennis Balls at (216) 241-3150. [05/97]

[06/97]

LAKE MICHIGAN - MI - Portage Lake Harbor, Dredging, Chart 14939

Luedtke Engineering Co., will be conducting breakwall repairs at Portage Lake Harbor, MI from June 1 until July 15, 1997. Hours of operation will be

24Hrs/7days a week. The tug KAYLEE MARIE may be contacted on channels 10 and 16. The dredge pipeline will be submerged except at point of discharge.

For further information, contact Cathy McCoy at (616)949-4777. [06/97]

LAKE MICHIGAN - MI - Grand Haven Harbor, Dredging, Chart 14933

M. C. M. Marine, Inc., will be conducting hydraulic pipeline dredging at Grand Haven Harbor, MI from March 24 until May 5, 1997. Hours of operation will be

24Hrs/7 days a week. The dredge ARTHUR J may be contacted on channels 16 and 10. Pay special attention to the submerged pipeline, buoys and required

day and night signs on dredge. For further information, contact Darwin McCoy at (906)635-9745. [02/97] [06/97]

LAKE MICHIGAN - WI - Racine Harbor, Bridge closure for Special Event, Chart 14924

The Main Street bridge at mile 0.29 over the Root River in Racine, WI, will be closed to masted navigation from 0825 to 1300, and from 2105 to 2240 on July 4, 1997 for the Racine Fourth Fest Parade. [06/97]

GREAT LAKES - General - MARINE EVENTS

Events listed below are those events that do not have accompanying special local regulations. Mariners transiting these areas are not required to contact

the U.S. Coast Guard, but are asked to exercise caution when navigating through the area of the event.

Location	Events	Dates	Time (Local)
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Detroit, MI	DYC Memorial Day Regatta	24 May 1000-1900
Cleveland, OH	Edgewater YC - Sailboat Race	25 May 1000-1600
Cleveland, OH	Edgewater YC - Sailboat Race	26 May 1000-1600
Detroit, MI	DYC Thursday Nite Series	29 May 1900-2400
Toledo, OH	Cattail Regatta (Jolly Roger Sail Club)	31 May 1300-1600
Toledo, OH	Cattail Regatta (Jolly Roger Sail Club)	01 June 1000-1300
Cleveland, OH	Edgewater YC - Sailboat Race	04 June 1800-2200
Detroit, MI	Detroit Grand Prix - Belle Isle	06 June 0800-1830
Detroit, MI	Detroit Grand Prix - Belle Isle	07 June 0800-1830
Sandusky, OH	Bayview Yacht Club (Sailboat race)	07 June 0900-1700
Detroit, MI	Detroit Grand Prix - Belle Isle	08 June 0800-1830
Cleveland, OH	Edgewater YC - Sailboat Race	08 June 1000-1600
Sandusky, OH	Bayview Yacht Club (Sailboat race)	08 June 0900-1700
Cleveland, OH	Edgewater YC - Sailboat Race	11 June 1800-2200
Detroit, MI	DYC Thursday Nite Series	12 June 1900-2400
Cleveland, OH	Edgewater YC - Sailboat Race	14 June 1000-1600
Cleveland, OH	Edgewater YC - Sailboat Race	15 June 1000-1600
Detroit, MI	Freedom Festival Fireworks Display	25 June 2000-2400
Chicago, IL	1997 Chicago to Mackinac Island Race	12-16 July 1200

SUMMARY OF DREDGING/CONSTRUCTION OPERATIONS STILL IN EFFECT

The LNM column is where the entry originally appeared and where detailed information may be obtained.
The dates listed for completion are tentative.

Location	LNM	Subject Hours / Days	Until
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ST. LAWRENCE SEAWAY

Prescott, Ont	04/97	DIVING OPERATIONS DAYLIGHT	FURTH NOTICE
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LAKE ERIE

Erie Harbor - East Basin	01/97	DREDGING	24HRS/7 DAYS A WEEK	31 AUG 97
Cleveland, OH	05/97	BREAKWALL CONSTRUCTION	24HRS/7 DAYS A WEEK	
31 OCT 97				
Avon Lane, OH	03/97	PIER RENOVATION	0700-1800/MON-FRI	30 SEP 97
Sanduskly, OH	02/97	DIVING	0700-1800/MON-FRI	30 APR 97
Lake Erie to Lake Huron	03/97	SURVEY OPERATIONS	0700-1900/MON-FRI	
15 DEC 97				

LAKE HURON

Saginaw Bay and River, MI	03/97	SURVEY OPERATIONS	15 DEC 97
Cheboygan, MI	01/97	DREDGING 0700-1900/7 DAYS A WEEK	30 APR 97

ST. MARYS RIVER

ST. MARYS RIVER, MI	02/97	CHANNEL MAINTENANCE	31 DEC 97
ST. MARYS RIVER, MI	05/97	GATE REPAIRS 12HRS/7 DAYS A WEEK	15 SEP 97

LAKE MICHIGAN

Portage Lake, MI	06/97	DREDGING 24HRS/7 DAYS A WEEK	15 JUL 97
Pentwater, MI	02/97	BREAKWALL REPAIR 24HRS/7 DAYS A WEEK	30 NOV 97
White Lake, MI	04/97	CONSTRUCTION 0800-1800/MON-SAT	07 AUG 97
Grand Haven, MI	02/97	DREDGING 24HRS/7 DAYS A WEEK	05 MAY 97
Holland, MI	02/97	DREDGING 24HRS/7 DAYS A WEEK	15 MAY 97
Holland, MI	02/97	DREDGING 24HRS/7 DAYS A WEEK	01 MAY 97
St. Joseph, MI	02/97	DREDGING 24HRS/7 DAYS A WEEK	30 MAY 97
St. Joseph, MI	03/97	DREDGING 24HRS/7 DAYS A WEEK	10 JUN 97
Hammond, IN	04/97	CONSTRUCTION 0600-1900/MON-SAT	30 MAY 97
SAG Hwy, Chicago, IL	36/96	BRIDGE MAINTENANCE	31 MAY 98
Chicago, IL	05/97	BREAKWALL MAINTENANCE 24HRS/MON-SAT	15 DEC 97
Calumet, IL	01/97	BRIDGE MAINTENANCE 0700-1530/MON-FRI	30 MAR 97
Calumet, IL	01/97	BRIDGE MAINTENANCE 0700-1730/MON-SAT	31 AUG 97
Milwaukee, WI	02/97	BREAKWALL REPAIR 0700-1900/7 DAYS A WEEK	15 MAY 97
Milwaukee, WI	03/97	BREAKWALL REPAIR 0600-1900/7 DAYS A WEEK	30 JUN 97
Milwaukee, WI	05/97	BRIDGE CONSTRUCTION 0700-1500/MON-FRI	01 NOV 97

VIII. LIGHT LIST CORRECTIONS, VOL VII, GREAT LAKES since LNM 05/97

(* Denotes the column in which a correction has been made or new information added.)

(1) No.	(2) Name and location	(3)	(4)	(5) Position	(6)	(7) Characteristic	(8) Height	Range	Structure
Remarks									
N/W									
5380	- ENTRANCE CHANNEL			41 34.1	FI G 4s 31		4	SG on pile.	
	LIGHT 1	82 48.5		9					
•	06/97								
5385	- ENTRANCE CHANNEL				FI R 2.5s		31	4	TR on post.
	LIGHT 2			9					
•	06/97								
10575	- Lighted Buoy 2			FI R 2.5s		4	Red.	Nun; winter marker.	
Maintained from Apr. 21 to Dec. 14.									
•	06/97								
10590	- Lighted Buoy 3			FI G 4s		4	Green.	Can; winter marker.	

			Maintained from Apr. 21 to Dec. 14.
• 06/97			
10595 - Lighted Buoy 4	FI R 4s	4 Red. Nun; winter marker.	Maintained from Apr. 21 to Dec. 14.
• 06/97			
10600 - Lighted Buoy 5	FI G 4s	4 Green. Can; winter marker.	Maintained from Apr. 21 to Dec. 14.
• 06/97			
10605 - Lighted Buoy 6	FI R 4s	4 Red. Nun; winter marker.	Maintained from Apr. 21 to Dec. 14.
• 06/97			
10610 - Lighted Buoy 7	FI G 2.5s	4 Green. Can; winter marker.	Maintained from Apr. 21 to Dec. 14.
• 06/97			
10615 - Lighted Buoy 8	FI R 2.5s	4 Red. Nun; winter marker.	Maintained from Apr. 21 to Dec. 14.
• 06/97			
10620 - Lighted Buoy 9	FI G 4s	4 Green. Can; winter marker.	Maintained from Apr. 21 to Dec. 14.
• 06/97			
10625 - Lighted Buoy 10	FI R 4s	4 Red. Nun; winter marker.	Maintained from Apr. 21 to Dec. 14.
• 06/97			
10640 - Lighted Buoy 11	FI G 2.5s	4 Green. Replaced by can from	Dec. 14 to Apr. 21.
• 06/97			
10650 - Lighted Buoy 13	43 43.0 FI G 4s	4 Green. Replaced by can from	Dec. 14 to Apr. 21.
83 47.6			
• 06/97			
10655 - Lighted Buoy 14	FI R 4s	4 Red. Replaced by nun from	Dec. 14 to Apr. 21.
• 06/97			

10660 - Lighted Buoy 15 Dec. 14	FI G 4s	4	Green. Replaced by can from to Apr. 21.
• 06/97			
10665 - Lighted Buoy 16 Dec. 14	FI R 4s	4	Red. Replaced by nun from to Apr. 21.
• 06/97			
10670 - Lighted Buoy 17 Dec. 14	FI G 4s	4	Green. Replaced by can from to Apr. 21.
• 06/97			
10675 - Lighted Buoy 18 Dec. 14	FI R 4s	4	Red. Replaced by nun from to Apr. 21.
• 06/97			
10680 - Lighted Buoy 19 Dec. 14	FI G 4s	4	Green. Replaced by can from to Apr. 21.
• 06/97			
10685 - Lighted Buoy 20 Dec. 14	43 40.4 FI R 4s	4	Red. Replaced by nun from to Apr. 21.
83 49.9			
• 06/97			
10710 - Lighted Buoy 21 can from Dec. 14	43 39.6 FI G 2.5s	4	Green. Replaced by to Apr. 21.
83 50.4			
• 06/97			
10715 - Lighted Buoy 22 nun from Dec. 14	43 39.7 FI R 2.5s	4	Red. Replaced by to Apr. 21.
83 50.5			
• 06/97			
10720 - Lighted Buoy 23 Dec. 14	FI G 2.5s	4	Green. Replaced by can from to Apr. 21.
• 06/97			
10725 - Lighted Buoy 24 Dec. 14	FI R 2.5s	4	Red. Replaced by nun from to Apr. 21.
• 06/97			
10735 - Lighted Buoy 25 can from Dec. 14	43 39.0 FI G 2.5s	4	Green. Replaced by to Apr. 21.
83 50.9			

- 06/97

10740 - Lighted Buoy 28 43 38.8 FI R 2.5s 4 Red. Replaced by
nun from Dec. 14 83 51.0 to Apr. 21.

- 06/97

****Change Note:**

Saginaw River

Lighted buoys maintained from Apr. 21 to Dec. 14.

10760 ESSEXVILLE RANGE 43 37.4 F G 32 KRW on black skeleton
FRONT LIGHT 83 50.3 10 tower.
06/97

****Change Note:**

Saginaw River

Lighted buoys maintained from Apr. 21 to Dec. 14.

10930 - Lighted Buoy 48 FI R 4s 4 Red. Nun; winter marker.
06/97

18725 - NORTH PIER OUTER 43 13.7 FI G 4s 30 4 SG on post. Higher
intensity beam on bearing LIGHT 86 20.5 9 058 diminishing around
remainder of horizon.

- 06/97

18735 - LAKE LIGHT F R 28 6 White cylindrical tower Higher intensity
beam on bearing 9 with red band. 280.

HORN: 1 blast ev 30s (3s bl).

- 06/97

IX. ENCLOSURES (None)

GERALD F. WOOLEVER

Rear Admiral, U. S. Coast Guard
Commander, Ninth Coast Guard District